Commonwealth of Kentucky
Energy and Environment Cabinet
Department for Environmental Protection

DIVISION FOR AIR QUALITY

DEP7007L

Concrete, Asphalt, Coal, Aggregate, Feed, Corn, Flour, Grain, & Fertilizer

1) Type of Operation(s):
_____ Concrete _____ Asphalt _____ Coal _____ Aggregate Processing
_____ Feed, Corn & Flour _____ Grain _____ Fertilizer

2) Operating Schedule: _____ Hours/day _____ Days/Week _____ Weeks/Year
Percent Annual Throughput: Dec.-Feb. _____ % Mar.-May _____ % June-Aug. _____ %
Sept.-Nov. _____ %

3) Paved Haul Road Length _____ Miles Unpaved Haul Road Length _____ Miles
Describe Dust Control Method for Haul Road(s) and Yard Area _____

Depending on the type of operation (*as checked in box 1*), complete the appropriate section(s). Also, attach a flow diagram showing all of the emission point numbers, and list the numbers on this form where applicable.

SECTION 1 CONCRETE OPERATION ONLY (*Ready-mix, Block, Pre-cast, or Terminate)*

4) Maximum Hourly Rated Capacity _____ cu. yd./hr. Max. Annual Rated Capacity* _____ cu. yd./hr.

5) _____ Wet Batch _____ Dry Batch

6) **Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:**

Emission Point No.	Affected Facility (Specify Quantity)	Maximum Loading Rate (silos only) or Operating Rate(s)** (tons/hour)	Control Equipment***	Cost of Controls
	Cement Silo(s)			
	Fly Ash Silo(s)			
	Weight Hopper(s)			
	Drum Mixer(s)			
	Aggregate Handling And Stockpiles			
	Truck Loadout(s)			

***Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
****Where the loading rate for the silos is not known, a rated capacity of 30 tons/hour will be used.**
*****For baghouse(s), complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

7) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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SECTION II ASPHALT PLANTS ONLY

8) Max. Hourly Rated Capacity _____ Max. Annual Rated Capacity * _____ tons/hour

Type of Plant: _____ Stationary _____ Portable

Type of Operation: _____ Batch Mix ___ Drum Mix

9) Aggregate Dryer Information:

Type of Fuel: _____ Gas _____ Oil (_____ % sulfur)
Dryer Model & Manufacturer _____
Burner Rated Capacity: _____ Btu/hour
Gases Discharged: _____ acfm _____ dscfm

10) Asphalt Heater Information:

Type of Fuel: _____ Gas _____ Oil (_____ % sulfur) _____ Other (specify) _____

Burner Rated Capacity: _____ Btu/hour

11) **Indicate the type of Control Equipment Used for Each Applicable Facility:**

Emission Point No.	Affected Facility	Control Equipment	Cost of Controls
	Rotary Dryer	Primary: Secondary:	
	Aggregate Handling	Hoppers: Conveyors:	
	Stockpiles (raw materials)		

12) Will this plant utilize a recycled asphalt pavement (RAP) unit? _____ Yes (_____ tons/hr.) _____ No

If "YES" was answered above, provide a description of the activities included in the RAP process (e.g. RAP stockpile, receiving, hopper, conveyor to screen, screen, lump breaker, conveyor to rotary dryer). Also, attach a flow diagram showing all of the emission point numbers listed on this form.

*** Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
**** Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

13) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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SECTION III COAL OPERATIONS ONLY

14) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:

Emission Point No.	Affected Facility (Specify quantity in blank)	Max. Capacity* (tons/hr.	(tons/yr.)**	Control Equipment***	Cost of Controls
	Receiving Hopper(s) ____				
	Primary Crusher(s) _____				
	Secondary Crusher(s) ____				
	Screen(s) _____				
	Conveyor Transfer Point(s) _____				
	Stockpile(s) ____				
	Rail Loadout(s) _____				
	Barge Loadout(s) _____				
	Truck Loadout(s) _____				
	Thermal Dryer(s) _____				
	Other (specify) _____ _____				

Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there are two conveyor transfer points at 500 tons/hour and three conveyor transfer points at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.

***The maximum capacity should represent the maximum tons/hour that the piece of equipment was designed to physically handle. This number may be larger than you anticipate ever utilizing. For instance, a crusher may be able to handle 1000 tons/hour at its largest setting, but you may plan to operate the crusher at 800 tons/hour. In this case, 1000 tons/hour should still be used in the application. For "shop-made" conveyors or other equipment for which manufacturers' data would not be available, an estimate should be made as to the maximum hourly tonnage that the equipment can physically handle. Again, the maximum number should be used in place of what you may plan to actually use.**
****Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
*****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

15) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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SECTION IV AGGREGATE OPERATIONS ONLY

16) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:

Emission Point No.	Affected Facility (specify quantity in blank)	Max. Capacity* (tons/hr.)	Max. Capacity* (tons/yr.)**	Control Equipment ***	Cost of Controls
	Receiving Hopper(s) ____				
	Primary Crusher(s) _____				
	Secondary Crusher(s) ____				
	Tertiary Crusher(s) _____				
	Fines Mill(s) ____				
	Screen(s) _____				
	Conveyor Transfer Points _____				
	Stockpile(s) ____				
	Pug Mill(s) _____				
	Loadout(s) _____				
	Other (specify) _____ _____				

Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there are two conveyor transfer points at 500 tons/hour and three conveyor transfer points at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.

***The maximum capacity should represent the maximum tons/hour that the piece of equipment was designed to physically handle. This number may be larger than you anticipate ever utilizing. For instance, a crusher may be able to handle 1000 tons/hour at its largest setting, but you may plan to operate the crusher at 800 tons/hour. In this case, 1000 tons/hour should still be used in the application. For "shop-made" conveyors or other equipment for which manufacturers' data would not be available, as estimate should be made as to the maximum hourly tonnage that the equipment can physically handle. Again, this maximum number should be used in place of what you may plan to actually use.**

****Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**

*****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

17) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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SECTION V FEED, CORN, AND FLOUR OPERATIONS ONLY

18) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:

Emission Point No.	Affected Facility (specify quantity in blank)	Max. Capacity		Control Equipment**	Cost of Controls
		(tons/hr.)	(tons/yr.)*		
	Column Dryer(s) _____				
	Rack Dryer(s) _____				
	Truck Receiving _____				
	Rail Receiving _____				
	Barge Receiving _____				
	Precleaner(s) _____				
	Elevator Leg(s) _____				
	Flour Mill House(s) _____				
	Feed Hammermill(s) _____				
	Grain Hammermill(s) _____				
	Feed Pellet Mill(s) _____				
	Feed Pellet Cooler(s) _____				
	Truck Loadout(s) _____				
	Rail Loadout(s) _____				
	Barge Loadout(s) _____				
	Other (specify) _____ _____				

Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where available. This flow diagram should be used to supplement the above information. For example, if there are two hammermills at 500 tons/hour and one hammermill at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "Maximum Capacity" column above.

***Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

19) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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SECTION VI GRAIN ELEVATORS ONLY

20) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:

Emission Point No.	Affected Facility (specify quantity in blank)	Max. Capacity		Control Equipment**	Cost of Controls
		(tons/hr.)	(tons/yr.)*		
	Column Dryer(s) _____				
	Rack Dryer(s) _____				
	Truck Receiving _____				
	Rail Receiving _____				
	Barge Receiving _____				
	Outdoor Storage Bin(s) _____				
	Indoor Storage Bin(s) _____				
	Truck Loadout(s) _____				
	Rail Loadout(s) _____				
	Barge Loadout(s) _____				
	Elevator Leg(s) _____				
	Other (specify) _____ _____ _____ _____				

Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where available. This flow diagram should be used to supplement the above information. For example, if there is one dryer at 500 tons/hour and one dryer at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "Maximum Capacity" column above.

***Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
****Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

21) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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SECTION VII FERTILIZER OPERATIONS ONLY

22) Specify the Maximum Operating Rate of Each Applicable Facility and the Corresponding Control Equipment:

Emission Point No.	Affected Facility (Specify quantity in blank)	Max. Capacity*		Control Equipment***	Cost of Controls
		(tons/hr.	(tons/yr.)**		
	Truck Receiving _____				
	Rail Receiving _____				
	Barge Receiving _____				
	Conveyor Transfer Point(s) _____				
	Mixing and Blending _____				
	Truck Loadout(s) _____				
	Rail Loadout(s) _____				
	Barge Loadout(s) _____				
	Other (specify) _____ _____				

Attach a flow diagram showing all of the emission point numbers, and list the emission point numbers on this form where applicable. This flow diagram should be used to supplement the above information. For example, if there is one loadout at 500 tons/hour and one loadout at 1000 tons/hour, this distinction can be made on the flow diagram rather than in the table above. If this type of clarification is necessary, please make a note to see the attached flow diagram in the "maximum capacity" column above.

**** Should be entered only if applicant requests operating restrictions through federally enforceable permit conditions.**
***** Complete the details on DEP7007N, and submit documents to substantiate control efficiency.**

23) Describe briefly the disposal of particulates collected in the baghouse and/or other waste generated at the site.

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